



### District Report Card: 2017


<b>State:</b> Maharashtra	<b>District:</b> Nandurbar
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 50	<b>Students:</b> 1352


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	688	50.89	664	49.11

 AREA	Rural		Urban	
	Number	%	Number	%
	974	72.04	378	27.96

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	33	2.44	889	65.75	246	18.20	184	13.61

 CWSN	LD	VI	HI	S&LD	ID	Oth
	1	8	1	0	0	17

 Management	Government		Government-aided	
	Number	%	Number	%
	159	11.76	1193	88.24

### Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
50.82	49.42	52.27	50.65	51.25	41.38	52.08	50.30	49.70	56.42	48.80

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	42.86
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	52.48
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	56.22
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	53.68
M702	Interprets the division and multiplication of fractions	45.71
M705	Solves problems related to daily life situations involving rational numbers	52.14
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	52.11
M707	Adds/subtracts algebraic expressions	59.99
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	44.54
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	43.16
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	53.10
M721	Interprets data using bar graph	61.43
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	35.23
M802	Finds rational numbers between two given rational numbers	51.53
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	61.35
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	63.17
M808	Uses various algebraic identities in solving problems of daily life	55.46
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	44.03
M818	Finds surface area and volume of cuboidal and cylindrical object	32.61
M819	Draws and interprets bar charts and pie charts	49.70

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
301	22.26	321	23.74	548	40.53	182	13.46

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (32.61)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (35.23)
- 3 - Solves problems involving large numbers by applying appropriate operations (42.86)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (43.16)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (44.03)